



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Koleszar et al.

Attorney Docket No.: ICYTP003X1C2

Application No.: 10/700,792

Examiner: Not yet assigned

Filed: November 3, 2003

Group: Not yet assigned

Title: GRAPHICAL VIEWER FOR  
BIOMOLECULAR SEQUENCE DATA

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on November 19, 2003 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: \_\_\_\_\_

Tara Hayden

**INFORMATION DISCLOSURE STATEMENT  
37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation of prior application U.S. Patent Application No. 10/309,378. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

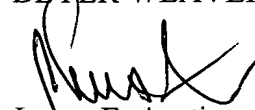
This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure

Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. ICYTP003X1C2).

Respectfully submitted,

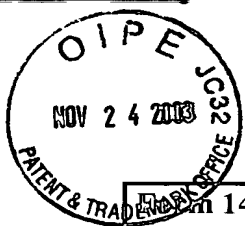
BEYER WEAVER & THOMAS, LLP

A handwritten signature in black ink, appearing to read 'James E. Austin', is written over the printed name.

James E. Austin

Registration No. 39,489

P.O. Box 778  
Berkeley, CA 94704-0778



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. ICYTP003X1C2 Applicant: Koleszar et al. Filing Date Nov. 3. 2003	Application No.: 10/700,792  Group Not yet assigned
--	---	---

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,970,500	10/1999	Sabatini, et al.			
	B	5,953,727	09/1999	Maslyn, et al.			
	C	6,023,659 A	02/2000	Seilhamer, et al.			
	D	5,418,944	05/23/95	DiPace, et al.			
	E	5,706,498	1/6/98	Fujimiya et al.			
	F	5,523,208	6/7/96	Kohler et al.			
	G	5,840,484	11/24/98	Seilhamer et al.			
	H	5,701,256	12/23/97	Marr et al.			
	I	5,681,285	10/28/97	Ford et al.			
	J	5,840,562	11/24/98	Diep et al.			

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	A	EP 0 848 067 A2	06/17/98	European	C12Q 1	68	X	
	B	WO/96/23078	01.08.96	PCT			X	

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	A	Duret, et al., "HOVERGEN: a database of homologous vertebrate genes", Nucleic Acids Research, Received February 17, 1994, Revised and Accepted May 10, 1994, Vol. 22, No. 12, pp. 2360-2365.
	B	Larsen, et al., "The ribosomal database project", Nucleic Acids Research, 1993, Vol. 21, no. 13, pp. 3021-3023.
	C	D.W. Smith, et al., "Biocomputing: Informatics Genome Projects", Academic Press, Inc., Department of Biology and Center for Molecular Genetics, University of California, 1994, pp. 51-85.
	D	Parsons, et al., "Clustering CDNA Sequences", CABIOS, 8(5) 461-466.
	E	Henikoff, Steven, "Comparative Sequence Analysis: Finding Genes", Academic Press, Inc., 1994, pp. 867-111.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



1449 (Modified)	Atty Docket No. ICYTP003X1C2	Application No.: 10/700,792
<b>Information Disclosure Statement By Applicant</b>	Applicant: Koleszar et al.	
(Use Several Sheets if Necessary)	Filing Date Nov. 3. 2003	Group Not yet assigned

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	F	Schena, et al., "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes", Proc. Natl. Acad. Sci. USA, Vol. 93, October 1996, pp. 10614-10619.
	G	Cuticchia, et al., "CMAP: contig mapping and analysis package, a relational database for chromosome reconstruction", Department of Genetics, The University of Georgia, Vol. 8, No. 5, 1992, pp. 467-474.
	H	Fickett, J.W. "Finding genes by computer: the state of the art" TIG Vol. 12, No.8, pp. 316-320. (9/1996)
	I	Honda, et al., "An Object Model for Genome Information at All Levels of Resolution", January 1993, Proceedings of the Twenty-sixth Hawaii International Conference on System Sciences, Vol. I, pp. 564-573.
	J	Garner, "Engineering ins Genomiocs/ spl minus/ Automating the Gemone Center", May 1994, IEEE Engineering in Medicine and Biology Magazine, Vol. 13, No. 2, pp. 281-283.
	K	PathoSeq. 3.0 December 97 Release Notes
	L	The Institute for Genomic Research, TIGR Database. Internet - <a href="http://www.tigr.org">http://www.tigr.org</a> (Downloaded December 23, 1997).
	M	National Center for Biotechnology Information (Index). Internet- <a href="http://www3.ncbi.nlm.nih.gov/">http://www3.ncbi.nlm.nih.gov/</a> (Downloaded December 23, 1997).
	N	National Center for Biotechnology Information; ENTREZ. Internet- <a href="http://www3.ncbi.nlm.nih.gov/entrez">http://www3.ncbi.nlm.nih.gov/entrez</a> (Downloaded December 23, 1997).
	O	National Center for Biotechnology Information; UniGene. Internet- <a href="http://www3.ncbi.nlm.nih.gov/unigene">http://www3.ncbi.nlm.nih.gov/unigene</a> (Downloaded December 23, 1997).
	P	National Center for Biotechnology Information; GenBank. Internet- <a href="http://www3.ncbi.nlm.nih.gov/web/genbank">http://www3.ncbi.nlm.nih.gov/web/genbank</a> (Downloaded December 23, 1997).
	Q	MAGPIE; Automated Genome Project Investigation Environment. Internet- <a href="http://www.mcs.anl.gov/home/gaasterl/magpie.html">http://www.mcs.anl.gov/home/gaasterl/magpie.html</a> (Downloaded December 23, 1997).
	R	Stanford University, Stanford Genomic Resources. Internet- <a href="http://genome-www.stanford.edu">http://genome-www.stanford.edu</a> , September 1996 and December 20, 1997.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. ICYTP003X1C2 Applicant: Koleszar et al. Filing Date Nov. 3. 2003 Application No.: 10/700,792 Group Not yet assigned
--	---

### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	S	Incyte Pharmaceuticals, LIFESEQ Version 4.2 Release Notes and Physical Data Model, October 1996.
	T	Incyte Pharmaceuticals, LIFESEQ Version 4.1 Release Notes and Physical Data Model, July 1996.
	U	Incyte Pharmaceuticals, LIFESEQ Version 3.4 Release Notes, January 1996.
	V	Incyte Pharmaceuticals, LIFESEQ Version 2.5 Release Notes, June 1995.
	W	Incyte Pharmaceuticals, LIFESEQ Version 3.0 Release Notes, September 1995.
	X	Incyte Pharmaceuticals, LIFESEQ Version 4.0 Release Notes, April 1996.
	Y	Incyte Pharmaceuticals, <u>Introduction to the LIFESEQ Database</u> , Version 3.4, January 1996.
	Z	Incyte Pharmaceuticals, <u>LIFESEQ Training Manual</u> , Version 4.1, July 1996.
	AA	Green, et al., "Ancient Conserved Regions in New Gene Sequences and the Protein Databases", <u>Science</u> , v.259, n.5102, pgs. 1711-1716 (1993)
	AB	Waldrop, et al., "Online Archives Lets Biologist Interrogate the Genome", <u>Science</u> , v. 269, n. 5229, pgs. 1356-1358 (1995)
	AC	No Author, "Incyte Serves Up Information, part I", <u>In Vivo the Business &amp; Medicine Report</u> , p.32, ISSN: 0258-851X (1996).
	AD	Martin, et al., "Accessing Genetics Databases", <u>Database</u> , v.17, n. 1, pg. 51(8) (1994).
	AE	Matsubara, et al., "Identification of New Genes by Systematic Analysis of cDNAs and Database Construction", <u>Current Opinion in Biology</u> , Vol. 4, pp. 672-677 (1993).
	AF	Lew, K., "GDB 6.0 Goals", <a href="http://gbd.gbdnet.ad.jp/gdb/docs/gdb6-goals.html">http://gbd.gbdnet.ad.jp/gdb/docs/gdb6-goals.html</a> , pp. 1-5 (March 3, 1996).
	AG	Kanehisa, M. "Toward Pathway Engineering: A New Database Old Genetic and Molecular Pathways." <u>Science and Technology Japan</u> , 1995, No. 59, pages 34-38.
	AH	Gaasterland, T. and Sensen, C. "Using Multiple Tools for Automated Genome Interpretation in an Integrated Environment", <u>Trends In Genetics</u> , January 1996.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. ICYTP003X1C2	Application No.: 10/700,792
	Applicant: Koleszar et al. Filing Date Nov. 3. 2003	Group Not yet assigned

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	AI	<a href="http://wehih.wehi.edu.au/">http://wehih.wehi.edu.au/</a> (1995).
	AJ	Keele et al. "A Conceptual Database Model for Genomic Research", Journal Of Computational Biology, Vol. 1, No. 1 pp. 65-76 (1994)
	AK	Adams, M.D. et al. "Complementary DNA Sequencing: Expressed Sequence Tags and Human Genome Project", Science, 21 June 1991, Vol. 252, page 1651-1656.
	AL	Keele et al., "A Conceptual Database Model for Genomic Research", 1994, Journal of Computational Biology, Vol. 1, No. 1, pp. 65-76.
	AM	Mount, D.W. et al., "A Genomic Database for Escherichia coli: Total Information on a Given Organism" Academic Press BIOCOMPUTING 1994, pp. 249-266.
	AN	Yoshida, K. et al., "A Primer on Rapid Prototyping of Genomic Databases in Prolog." Academic Press BIOCOMPUTING, 1994, pp. 233-247.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.